

FORM PTO-1449  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 647P002Div.	SERIAL NO. 10/812,538
	Robert L. Goldsmith	
	FILING DATE March 30, 2004	GROUP Not yet assigned

#### REFERENCE DESIGNATION

#### U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CTB	AA	5,707,514	1/1998	Yamasaki et al.	210	151	
CTB	AB	6,284,135	9/2001	Ookata, Masanobu	210	220	

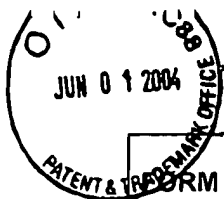
#### FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BA							

#### OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

CTB	CA		Mercier, M. et al., 1995, "Influence of the flow regime on the efficiency of a gas/liquid two-phase flow medium"; Biotechnol. Techniques, 9, 853-858.
	CB		Mercier, M. et al., 1997, "How slug flow can enhance the ultrafiltration flux in mineral tubular membranes"; J. Membrane Sci., 128, 103-113.
	CC		Mercier, M. et al.; 1998, "Yeast suspension filtration: flux enhancement using a gas/liquid upwards slug flow - Application to continuous alcoholic fermentation with cell recycle"; Biotechnol. Bioeng., 58, 47-57.
	CD		Leonard D., et al. 1998; "A novel membrane bioreactor with gas/liquid two-phase flow for high performance degradation of phenol, Biotechnol. Prog., 14, 680-688.
	CE		Mercier-Bonin M. et al.; 2000, "Hydrodynamics of slug flow applied to crossflow filtration in narrow tubes"; AIChE Journal, 46 476-488.
	CF		Mercier-Bonin M. et al., 2000, "Influence of a gas/liquid two-phase flow on the ultrafiltration and microfiltration performances: case of a ceramic flat sheet membrane"; J. Membrane Sci., 180, 93-102.
	CG		In-Soung Chang et al.; 2002; "Air sparging of a submerged MBR for municipal wastewater treatment"; Process Biochemistry 37 (2002) 915-920.
	CH		NAMS 2002; Nong XU et al. "Design and Application of Airlift Membrane-Bioreactor for Municipal Wastewater Reclamation" Article.
	CI		Water Science & Technology Vol. 41, No. 10-11 pp. 243-250; 2000; "Ultrafiltration of activated sludge with ceramic membranes in a cross-flow membrane bioreactor process"; X-j Fan et al. - English Abstract
	CJ		Steven Till et al.; "Membrane Bioreactors: Wastewater treatment applications to Achieve High Quality Effluent"; 64 <sup>th</sup> Annual Water Industry Engineers and Operators' Conference; 9/5&6/2001; pp-57-65
	CK		Tsignhua Science and Technology; ISSN 1007-0214 08/17; pp.283-287; vol. 5, Number 3, September 2000; "Ceramic Ultra Filtration membrane Bioreactor for Domestic Wastewater Treatment"; Wen Xianghua et al.
	CL		Feature Article; June 26, 2002; "Membrane Bioreactors: Design and Operation Options"; Professor A .Fane et al.
CTB	CM		Session 6: Membrane bioreactors for Wastewater Treatment and Water Reclamation; "Applying Membrane Bioreactor Technology for Wastewater Treatment in the Netherlands" Helle F. Van der Roest.

CTB	CN		Session 6: Membrane Bioreactors for Wastewater Treatment and Water Reclamation; "Applying Membrane Bioreactor Technology for Water Reclamation"; R. Rhodes Trussell et al.
CTB	CO		Session 6: Membrane Bioreactors for Wastewater Treatment and Water Reclamation; "Case Study: Membrane Bioreactor Testing in Seattle, Washington"; Graham J.g. Juby et al.
EXAMINER		CHESTER T. BARRY	DATE CONSIDERED
			3/7/05
EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			



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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CTB	AA	4,781,831	11/1988	Goldsmith	210	247	
	AB	5,009,781	4/1991	Goldsmith	210	247	
	AC	5,108,601	4/1992	Goldsmith	210	247	8/2001
CTB	AD	6,126,833	10/2000	Stobbe et al.	210	650	
	AE						

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	BC							

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CB	
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**REFERENCE DESIGNATION**
**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CTB	AA	5,494,577	2/1996	Rekers	210	321.8	
CTB	AB	2002/0081254	6/2002	Boger	422	222	
	AC						
	AD						
	AE						

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	BC							
	BD							

**OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)**

CTB	CA		IWA Publication, London, UK (2002); Stowa Report; H.F. van der Roest; "Membrane Bioreactors for Municipal Wastewater Treatment";
	CB		Journal of Membrane Science 221 (2003) 1-35; Z.F. Cui et al. "The use of gas bubbling to enhance membrane processes"
	CC		Chemical Engineering Science 56 (2001) 805-812; Johan J. Heiszwolf et al. "Hydrodynamic aspects of the monolith loop reactor"
	CD		Chemical Engineering Science 56 (2001) 823-829; T.A. Nijhuis et al.; "Monolithic catalysts as efficient three-phase reactors"
CTB	CE		Lecture by dr.ing. Johan J. Heiszwolf; 16 <sup>th</sup> International Symposium on Chemical Reaction Engineering (ISCRE 16), Krakow, Poland, 10-13 September 2000; "Monolith Loop Reactor an Alternative to Slurry Reactors"

<b>EXAMINER</b> CHESTERT. BARRY	<b>DATE CONSIDERED</b> 8/17/05
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	BE							
	BF							

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<b>CTB</b>	<b>CA</b>	Journal of Membrane Science 227 (2003) 81-93; Pierre Le Clech et al.; "Critical flux determination by the flux-step method in a submerged membrane bioreactor"
<b>EXAMINER</b>	<b>CHESTERT T. BARRY</b> <b>PRIMARY EXAMINER</b>	<b>DATE CONSIDERED</b> 3/17/05
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